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FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission	6	Attorney Docket Number	016866-001514US
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ENCLOSURES (Check all that apply)			
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Reference (1); Return Postcard	
<input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address		
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<input type="checkbox"/> Certified Copy of Priority Document(s)	Remarks The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.		
<input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53			

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Townsend and Townsend and Crew LLP		
Signature			
Printed name	Eugenia Garrett-Wackowski		
Date	December 17, 2004	Reg. No.	37,330

CERTIFICATE OF TRANSMISSION/MAILING

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Signature	
Typed or printed name	Jose Luna
Date	December 17, 2004

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PATENT
Attorney Docket No.: 016866-001514US
Client Reference No.: D-5639-PCT-US-
D2

On December 17, 2004

TOWNSEND and TOWNSEND and CREW LLP

By: Jayne



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

T. William Hutchens et al.

Application No.: 10/700,297

Filed: October 31, 2003

For: METHOD AND APPARATUS FOR
DESORPTION AND IONIZATION OF
ANALYTES

Examiner: To Be Assigned

Art Unit: 1743

**INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

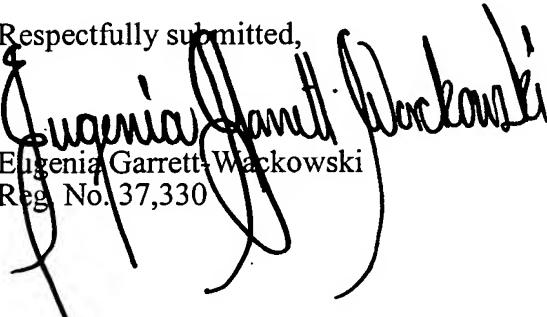
Sir:

The references cited on the attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. A copy of reference number 25 is submitted herewith. In accordance with 37 CFR §1.98(d), copies of all other references can be found in Application No. 09/848,512, filed October 12, 2001 (Attorney Docket No. 016866-001513US). It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,


Eugenia Garrett Wackowski
Reg. No. 37,330

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, Eighth Floor
San Francisco, California 94111-3834
Tel: 925-472-5000
Fax: 925-472-8895
EGW:jvl
60378876 v1



Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
Sheet 1		of	3	Application Number	10/700,297
				Filing Date	October 31, 2003
				First Named Inventor	Hutchens, T. William
				Art Unit	1743
				Examiner Name	To Be Assigned
				Attorney Docket Number	016866-001514US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	3,896,661	07-29-1975	Parkhurst et al.	
	2.	4,022,876	05-10-1977	Anbar	
	3.	4,295,046	10-13-1981	Gruter et al.	
	4.	4,296,332	10-20-1981	Hill	
	5.	4,454,233	06-12-1984	Wang	
	6.	4,468,468	08-28-1984	Benninghoven et al.	
	7.	4,686,366	08-11-1987	Stuke	
	8.	4,694,167	09-15-1987	Payne et al.	
	9.	4,705,616	11-10-1987	Andresen et al.	
	10.	4,902,627	02-20-1990	Kidwell	
	11.	4,988,879	01-29-1991	Zare et al.	
	12.	5,003,059	03-26-1991	Brennan	
	13.	5,209,919	05-11-1993	Turteltaub et al.	
	14.	5,045,694	09-03-1991	Beavis et al.	
	15.	5,073,713	12-17-1991	Smith et al.	
	16.	5,078,135	01-07-1992	Caprioli et al.	
	17.	5,118,937	06-02-1992	Hillenkamp et al.	
	18.	5,124,267	06-23-1992	Humpel et al.	
	19.	5,171,989	12-15-1992	Williams et al.	
	20.	5,547,835	08-20-1996	Koster	
	21.	5,622,824 A	04-22-1997	Koster	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)		
	22.	GB	2,235,528	03-06-1991	Finnigan Mat GmbH
	23.	GB	2,235,529	03-06-1991	Finnigan Mat GmbH
	24.	GB	2,236,184	03-27-1991	Finnigan Mat GmbH
	25.	GB	2,236,185 B	03-23-1994	Finnigan Mat GmbH
	26.	EP	0 084 086	07-27-1983	Leybold Heraeus GmbH
	27.	EP	0 333 912	09-27-1989	Bruker-Franzen Analyt.
	28.	WO	91/02961	03-07-1991	Finnigan Mat Ltd.
	29.	WO	92/13629	08-20-1992	Wayne State University
	30.	WO	96/37777	11-28-1996	Nelson et al.
	31.	WO	96/40888	12-19-1996	Arizona Board Regents

Examiner Signature		Date Considered
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

60378876 v1

Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/700,297
(use as many sheets as necessary)				Filing Date	October 31, 2003
				First Named Inventor	Hutchens, T. William
				Art Unit	1743
				Examiner Name	To Be Assigned
Sheet	2	of	3	Attorney Docket Number	016866-001514US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
	32.	AMERICAN BIOTECHNOLOGY LABORATORY, February 1994 cover, cover-page 2 (1994)		
	33.	BEAVIS, R. et al., "Epitaxial protein inclusion in sinapic acid crystals" J. Phys. D: Appl. Phys. 26:442-447 (1993)		
	34.	DWYER, J. et al., "A novel sample preparation device for MALDI-MS" Int'l Lab. 13A-13F (1997)		
	35.	HILLENKAMP, F., "Laser desorption mass spectrometry: Mechanisms techniques and applications" Bordeaux Mass Spect. Conference Report 11A:354-362 (1988)		
	36.	HUTCHENS, T. et al., "Differences in the confrontational state of a zinc-finger DNA-binding protein domain occupied by zinc and copper revealed by electrospray ionization mass spectrometry" Rapid Comm. in Mass Spect. 6:469-473 (1992)		
	37.	HUTCHENS, T. et al., "New desorption strategies for the mass spectrometric analysis of macromolecules" Rapid Comm. in Mass Spect. 7:576-580 (1993)		
	38.	KARAS, M. et al., "Laser desorption ionization of proteins with molecular masses exceeding 10,000 daltons" Anal. Chem. 60:2299-2301 (1988)		
	39.	KARAS, M. et al., "Ultraviolet laser desorption of proteins up to 120,000 daltons" Bordeaux Mass Spect. Conference Report 11A:416-417 (1988)		
	40.	KARAS, M. et al., "UV laser desorption/ionization mass spectrometry of femtomol amounts of large proteins" Biomed. Environ. Mass Spectr. 18:841-843 (1989)		
	41.	MOCK, K. et al., "Sample Immobilization protocols for matrix-assisted laser desorption mass spectrometry" Rapid Comm. in Mass Spec. 6:233-238 (1994)		
	42.	NELSON et al., "Mass spec. analysis of a trans-metal-binding peptide using MALDTOFMS: A demonstration of probe tip chemistry" Rapid Comm. Mass Spec. 6:4-8 (1992)		
	43.	NELSON et al., "Mass spectrometric immunoassay" Anal. Chem. 67:1153-58 (1995)		
	44.	RIVERA, A., "A summary statement: Probes for affinity mass spectrometry of phosphoproteins" April 16, 1994		
	45.	SPEIR, J. et al., "Substrater-assisted laser desorption of neutral peptide molecules" Anal. Chem. 64:1041-1045 (1992)		
	46.	STRUPAT, K. et al., "2,5-Dihydroxybenzoic acid: A new matrix for laser desorption-ionization mass spectrometry" Int'l J. Mass Spectr. and Ion Proc. 111:89-102 (1991)		
	47.	XIANG, F. et al., "A method to increase contaminant tolerance in protein matrix-assisted laser desorption/ionization by the fabrication of thin protein-doped polycrystalline films" Rapid Comm. in Mass Spec. 8:199-204 (1994)		

Examiner Signature		Date Considered	
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO				<i>Complete if Known</i>	
				Application Number	10/700,297
				Filing Date	October 31, 2003
				First Named Inventor	Hutchens, T. William
				Art Unit	1743
				Examiner Name	To Be Assigned
Sheet	3	of	3	Attorney Docket Number	016866-001514US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	48.	YIP, T. et al., Protein Expression and Purification 2:355-362 (1991)	

Examiner Signature	Date Considered
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